REFERENCES:

1. Aggett P.J., Hascheke F., Heine W.,(1991), Comment on the content and composition of lipids in infant formulas. *Acta Paediatr Stand*, **80,**887-96.

2. Karra M.V., Kirksey A., Galal 0, Bassily NS, Harrison GG, Jerome NW.(1989), Effect of short-term oral zinc supplementation on the concentration of zinc in milk from American and Egyptian women. *Nutr Res*, **9**, 471-8.

3. Coppa GV, Gabrielli O, Buzzega D, et al.(2011), Composition and structure elucidation of human milk glycosaminoglycans. *Glycobiology*,**21(3),**295–303.

4.Cooke, R. F., N. S. Del Rio, D. Z. Caraviello, S. J. Bertics, M. H. Ramos, and R. R. Grummer.(2007), Supplemental choline for prevention and alleviation of fatty liver in dairy cattle. *J. Dairy Sci***.90,**2413-2418.

5. Sando L, Pearson R, Gray C, et al.(2009), Bovine Muc1 is a highly polymorphic gene encoding an extensively glycosylated mucin that binds bacteria. *J Dairy Sci,***92,**5276–91.

6. Hansen, S. L., J. W. Spears, K. E. Lloyd, and C. S. Whisnant.(2006), Feeding a low Manganese diet to heifers during gestation impairs fetal growth and Development**.** . *J. Dairy Sci* **89,** 4305-4311.

7. E. Calero, A. Castellated, R.M. Lamuela-Raventos, and M.C. Lopez-Sabater,(2000), *J. Chromatogr. A*, **881**, 255.

8. Baumrucker, H. Sauerwein, R. Ruhl, E. Ontsouka, H. M. Hammon, and J. W. Blum.(2005), Effects of an enhanced vitamin A intake during the dry Period on retinoids, lactoferrin, IGF system, mammary gland epithelial cell apoptosis, and subsequent lactation in dairy cows. *J. Dairy Sci*. **88**, 1785-1800.

9. Kampman, M.T.; Steffensen, L.H.; Mellgren, S.I.; Jorgensen, L.(2012), Effect of vitamin D3 supplementation on relapses, disease progression, and measures of function in persons with multiple sclerosis: Exploratory outcomes from a double-blind randomized controlled trial. *Mult. Scler.* **18,** 1144–1151.

10. Schonewille, J. T., H. Everts, S. Jittakhot, and A. C. Beynen.(2008), Quantitative prediction of magnesium absorption in dairy cows. *J. Dairy Sci*. **91**, 271-278.

11.Jansen and T. van Werven. (2010), Vitamin E supplementation during the dry Period in dairy cattle. *Part I,* **93,** 5684-5695.

12. Stangl, G. I., F. J. Schwarz, H.Muller, and M. Kirchgessner.(2000), Evaluation of the Cobalt requirement of beef cattle based on vitamin B-12, folate, homocysteine and methylmalonic acid. *Brit J Nutr***. 84,**645-653.

13. Baumrucker, H. Sauerwein, R. Ruhl, E. Ontsouka, H. M. Hammon, and J. W. Blum.(2005), Effects of an enhanced vitamin A intake during the dry period on retinoids, lactoferrin, IGF system, mammary gland epithelial cell Apoptosis, and subsequent lactation in dairy cows. *J. Dairy Sci*. **88**, 1785-1800.
14.Taberlet P, Gielly L, Pautou G, *Bouvet J* (1991) Plant Mol Biol,**17,** 1105–1109
15. Clark, J. H., R. A. Christensen, H. G. Bateman, and K. R. Cummings. (2009), Effects of sodium sesquicarbonate on dry matter intake and production of milk and milk Components by Holstein cows. *J. Dairy Sci,* **92,** 3354-3363.
16.Cooke, R. F., N. S. Del Rio, D. Z. Caraviello, S. J. Bertics, M. H. Ramos, and R. R. Grummer.(2007), Supplemental choline for prevention and alleviation of fatty liver in dairy cattle. *J. Dairy Sci*.**90,** 2413-2418.
17. Erdman, R. A., L. S. Pi J. Dairy Sci. perova, and R. A. Kohn.(2011),Corn silage versus corn silage:Alfalfa hay mixtures for dairy cows: Effects of dietary potassium, calcium, and cation-anion difference. *J. Dairy Sci*. **94**, 5105-5110.
18. Hansen, S. L., J. W. Spears, K. E. Lloyd, and C. S. Whisnant.(2006), Feeding a low Manganese diet to heifers during gestation impairs fetal growth and Development**.** . *J. Dairy Sci* **89,** 4305-4311.